



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 82 40 75

Classification of the application (IPC):

G01R 31/36, H01M 10/44, H01M 10/48, H02J 3/32, H02J 3/38, H02J 7/00,
G01R 31/3828, G01R 31/3842, H01M 10/42

Technical fields searched (IPC):

G01R, H01M, H02J

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2013110428 A1 (SUN CHEIN-CHUNG [TW] ET AL) 02 May 2013 (2013-05-02) * paragraph [0016] - paragraph [0018] * * paragraph [0038] - paragraph [0069]; figure 4 *	1-9
A	US 2012176092 A1 (FUJII HIROKI [JP] ET AL) 12 July 2012 (2012-07-12) * the whole document *	1-9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 09 December 2019	Examiner Topalov, Angel
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 09-12-2019
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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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